

SEVERE LOCAL STORMS FOR SEPTEMBER 1945

[The table herewith contains such data as has been received concerning severe local storms that occurred during the month. A revised list of tornadoes will appear in the UNITED STATES METEOROLOGICAL YEARBOOK]

Place	Date	Time	Width of path, yards	Loss of life	Value of property destroyed	Character of storm	Remarks
Jackson and Clinton Counties, Iowa.	1	P. m.			\$500,000	Heavy hail and high wind.	In Jackson County, from La Motte through Springbrook to Preston, in a strip about a mile wide and nearly 20 miles long, there was much crop loss, some fields totally lost. From Preston the line of damage extended in Jackson County past Goose Lake to Elvira. Damage in this section was more spotted and less complete. In Preston windows were broken in nearly every home, and hundreds of chickens were killed by hail. High winds added to the damage by blowing the hailstones against windows, and at one place a barn was unroofed.
Spring Grove, Minn.	1	3:30 p. m., C. W. T.	1		10,000	Thunderstorm and hail.	Loss in growing crops, mostly corn, from 40 to 90 percent. Storm moved from northwest to southeast over a path 6 miles long.
Bedford, Va.	1	5:30 p. m.			5,000	Wind, electrical	Many trees blown down or broken; several small houses slightly damaged, and electric and telephone service interrupted for several hours.
Gilmer County and eastern section of Jackson County, W. Va.	1-2				165,000	Heavy rain and flood	Considerable damage to bridges on secondary roads, and buildings, and loss in crops. \$15,000 damage in the Cedarville area and \$150,000 in Jackson County.
Salt Lake City, Utah, vicinity of.	2	P. m.			1,000	Heavy rain and flash flood.	Damage to highways and other installations.
Bryce Canyon, Utah.	2				1,300	Rain and hail	
Butte, Mont.	8	10:28 a. m.-9:27 p. m.				Wind	4 inches of rain fell in 13 minutes. Damage to park roads and erosion-control dams.
La Porte, Ind., vicinity of.	9				1,500	Hail	Wind averaged about 35 miles per hour, with maximum velocities of 57 miles per hour. Some damage to trees and shrubbery; light structural damage mostly to flimsy sheds and garages. Some signs and board fences also blown down or damaged.
Pima County, Ariz.	9			10	26,000	Thunderstorm	Loss principally to corn crop.
Hastings Dam and Red Wing, Minn.	10-11				\$1,000	Rain	A storm of cloudburst proportions filled to overflowing the banks of an ordinary dry wash. Flood waters washing down this dry wash tore a 15-foot gap in a bridge on the highway approximately 4 miles south of Tucson. 4 automobiles plunged into the raging torrent; 10 persons were drowned, while 4 others struggled out of the flood waters.
Sherman and Hallowell, Kans., and vicinity.	12	3-4 a. m.	18		4,500	Heavy hail	At Hastings Dam 8.34 inches of rain fell in a little over 24 hours; at Red Wing 6.60 inches fell in 24 hours.
Florida, southern and central portions.	15-16			4	54,115,000	Tropical hurricane	Principal damage to buildings; loss in crops and fruit not estimated. Path 15 miles long.
Virginia, entire state.	16-18				40,000	do.	The path of greatest destruction was about 40 miles wide, and the towns of South Miami, Perrine, Goulds, Kendall, Princeton, Redlands, Richmond, Homestead, and Florida City lay within this area. Losses were heavy for the avocado and lime growers in Dade County and to the citrus crop in Highlands and south Polk counties. Heavy rain caused much loss in truck in the Everglades, and pastures were flooded along the Kissimmee and St. Johns River Valleys. Property damage in Dade County estimated to have been \$50,000,000. The greatest loss was at the Navy Blimp hangars at Richmond, Fla., where damage was estimated at between \$30,000,000 to \$35,000,000. The citrus loss for the State was about 5 percent.
Gourdin, S. C., vicinity of.	17	7:30 a. m.		1	100,000	Tornado	Excessive rains throughout the State, except the extreme southwest corner, caused most streams to overflow, and severe floods occurred in some small streams in the south-central counties. Damage to roads, bridges, and dams, \$10,000; loss in crops, chiefly corn and hay, \$30,000. A few low streets in Norfolk flooded because of wind and high tides; otherwise wind was unimportant.
Georgia.	17					Tropical hurricane	2 persons injured; property damaged.
Clifton, Ariz., and vicinity.	17				155,000	Heavy rain	This storm, which was quite severe and accompanied by rain, passed near the coast, causing excessive flooding of fields, with much loss in crops.
Milwaukee, Wis., vicinity of.	19	7:57 p. m., C. W. T.			10,000	Thundersquall	Rain of cloudburst proportions resulted in rock and mud slides on mountains surrounding the town. Water and silt covered downtown streets to the depth of 2 to 3 feet, and many stores were flooded, with great loss to their stock. Automobiles parked on the streets were almost buried in the mud and rocks. Estimated damage to highways, streets, buildings, stores, merchandise, and automobiles, etc., totaled around \$150,000; other losses, \$5,000.
Pulcifer to Advance, Wis.	19					Wind	At Billy Mitchell Field, 2 hangars were destroyed, 2 planes wrecked, and 2 others damaged. Church damaged by lightning.
Racine County, Wis.	19				7,000	Electrical	2 barns unroofed; machine sheds and a windmill flattened; windows broken and roofs damaged on several homes.
Wood County, Wis., north-central portion.	19	4-5 p. m., C. W. T.	200	0	25,000	Tornado	Barn filled with hay and machinery, a silo, and some other small buildings destroyed by lightning.
Salt Lake City, Utah	21					Wind	A new 50 by 24-foot cinder-block building in north-central Wood County destroyed about 4 p. m. Moving eastward, the funnel cloud apparently lifted and dipped again, 4:45 to 5 p. m., in the southern section of Stevens Point where it ripped off the 2d floor of a 224 by 40-foot frame factory building and scattered the debris for a block to the east, damaging several homes, other buildings, and cars, razing many trees, disrupting utility service, and injuring 2 persons. The path at Stevens Point was about 1,000 yards long.
Minneapolis and St. Paul, Minn.	22	2:50 a. m., C. W. T.			1,600	Electrical and heavy rain.	Much loss in peach and pear crops; property and shade trees damaged.
Gessie and Covington, Ind.	22	4 p. m.	880	0	160,000	Tornado	Number of places struck by lightning; woman injured.
Maple Plain, Minn., and vicinity.	23	2:15 a. m., C. W. T.			2,000	Thundersqualls, heavy rain, and hail.	Several buildings destroyed and many damaged. Storm crossed the Wabash River; funnel cloud observed; 1 person injured.
Hutchinson, Kans., and vicinity.	23	6 p. m.		0		Tornado	An aviator injured when his airplane was turned over by the wind, at Victory Airport, Brooklyn Center, Minn. Roof of boathouse torn away; lake cottages and farm buildings damaged; trees uprooted and corn lodged. Storm moved from southwest to northeast over a path about 20 miles long.
Barber, Pratt, and Reno Counties, Kans.	23	6:30 p. m.	190	0	250,000	Small tornadoes and high wind.	Funnel cloud observed at the northeast edge of Hutchinson city, but not observed to have reached the ground. Small damage reported.
Spring Grove, Minn., and vicinity.	23	7:45 p. m., C. W. T.	11	1	30,000	Tornadoic wind	Loss in crops from soil erosion. 3 funnel clouds observed, not known to have reached the ground.

¹ Miles instead of yards

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Place	Date	Time	Width of path, yards	Loss of life	Value of property destroyed	Character of storm	Remarks
Vernon, Crawford, Dodge, Washington, and Grant Counties, Wis.	23	P. m.	-----	-----	\$20,700	Thunderstorm and wind squalls.	In Vernon and Crawford Counties, at least 30 tobacco sheds blew down, with estimated damage of 15 to 20 percent in shedded tobacco. A few barns, windmills, and other small buildings were blown down or damaged. Estimated property damage, \$5,000; crop loss, \$7,500. In southern portions of Dodge and Washington Counties, farm buildings were wrecked or damaged on at least 3 farms; roof on school building damaged; windows broken; trees blown down; utility service disrupted; property loss of \$4,000. In Grant County a barn filled with hay and machinery burned, with \$4,200 loss.
Chicago, Ill., and vicinity	23	-----	-----	1	2,000	Wind, rain, electrical.	A 43 mile-an-hour wind accompanied the storm which caught many persons boating on Lake Michigan, upsetting at least 5 small craft; all occupants were rescued. Approximately 40 families were forced to vacate their homes in Princeton Park when roofs of 10 houses blew off.
La Porte, Ind.	23	-----	-----	-----	2,000	Hail and wind.	Loss in corn crop.
Des Moines, Knoxville, Attica, Delaware, Dubuque, and Clinton, Iowa.	23	-----	-----	-----	25,000— 50,000	do.	Utility and car service interrupted. Traffic in large cities, especially in Des Moines, hampered by fallen trees. In the open country some cornfields flattened by wind.
Lancaster, Wis., vicinity of Syracuse, N. Y., extreme northern section.	23 25	-----	-----	-----	4,000 30,000	Electrical. Electrical, excessive rain, hail, and tornadic winds.	A barn, 35 tons of hay, and farm machinery destroyed.
Anadarko, Okla., vicinity of.	25	5 p. m.	13	-----	25,000	Heavy hail.	Telephone and electric power lines broken; trees uprooted and buildings unroofed.
Geary, Okla., vicinity of	26	6 p. m.	12	-----	11,000	do.	Property damaged; path 5 miles long.
Newcastle and Norman, Okla.	26	P. m.	-----	0	375,000	Tornado.	Crop loss chiefly in cotton; path 3 to 5 miles long.
Ensign to Dodge City, Kans., and vicinities.	27	1:33-1:43 p. m.	222	3	6,000	do.	School and several other buildings blown down in Newcastle. \$300,000 damage to 150 airplanes at the Norman Naval Base. Loss in corn crop unestimated.
Milwaukee, Wis.	28	Noon-near 12 p. m.	-----	-----	25,000	Wind.	Crop and property damage light because storm traveled mostly across open country; path 20 miles long.
Las Vegas, N. Mex.	28-29	P. m.	-----	-----	7,500	Snow.	Strong northeast winds caused waves to overflow breakwater, especially lower section around the South Shore Yacht Club, where waves were 6 feet high inside the breakwater. 70 yachts and other pleasure craft wrecked.
Sebekka, Minn.	30	-----	-----	-----	1,500	Heavy rain.	Fruit and shade trees badly damaged. Property damaged.

¹ Miles instead of yards.